

ABSTRACT

An arrangement, for heat dissipation from a component that is to be cooled, features: a pump for pumping a coolant, which pump comprises a pump rotor; a fan that comprises a fan rotor associated with which is an electric motor to drive it, the pump rotor and the fan rotor being separated from one another in fluid-tight fashion and drivingly connected to one another via a magnetic coupling. It also relates to a method for heat dissipation from a component that is to be cooled, using a fan that comprises a fan rotor and a drive motor, using a pump that comprises a pump rotor, using a coolant that is pumpable by means of the pump, comprising the following steps:

A) the fan rotor has a rotational motion imparted to it by means of the drive motor; B) the pump rotor has a rotational motion imparted to it, via the magnetic coupling, by means of the rotational motion of the fan rotor; C) the coolant is caused to flow by the rotational motion of the pump.